

APPENDIX 3.6B

Detailed HARP Results

Appendix 3.6B Detailed HARP Results

AES Highgrove – Supplement “C” (2007)

TABLE 3.6B-1

Detailed File References to PMI, MEIR, and MEIW of the Risks – Turbines and Cooling Towers

	Category	Risk Value	Receptor Number	UTM (NAD 27)	HARP Modeling File Name
Cancer	PMI Derived (OEHHA) Method * (Screening results)	0.80 in a million	40440 (Screening Grid)	(469461, 3764529) (Screening Grid)	Rep_Can_70yr_DerOEH_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt (Screening report)
	PMI Derived (Adjusted) Method * (Screening Results)	0.63 in a million	40440 (Screening Grid)	469461, 3764529) (Screening Grid)	Rep_Can_70yr_DerAdj_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt (Screening report)
	PMI Derived (Adjusted) Method	0.63 in a million	9151	(469461, 3764529)	Rep_PMI_All_resident.txt Rep_Can_70yr_DerAdj_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt Rep_Can_70yr_DerAdj_Rec9151_AllSrc_AllCh_ByRec_ByChem_Site_UTM.txt Rep_Can_70yr_DerAdj_Rec9151_AllSrc_AllCh_BySrc_Site.txt
	MEIR Derived (Adjusted) Method (Refined Grid)	0.63 in a million	9151	(469461, 3764529)	Rep_PMI_All_resident.txt Rep_Can_70yr_DerAdj_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt Rep_Can_70yr_DerAdj_Rec9151_AllSrc_AllCh_ByRec_ByChem_Site_UTM.txt Rep_Can_70yr_DerAdj_Rec9151_AllSrc_AllCh_BySrc_Site.txt
	MEIW (Refined Grid)	0.13 in a million	9151	(469461, 3764529)	Rep_PMI_All_worker.txt Rep_Can_WRK_Avg_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt
HIC	PMI	0.011	8707	(472280, 3763983)	Rep_PMI_All_resident.txt Rep_Chr_Res_DerOEH_Rec8707_AllSrc_AllCh_ByRec_ByChem_Site_UTM.txt Rep_Chr_Res_DerOEH_Rec8707_AllSrc_AllCh_BySrc_Site.txt
	MEIR	0.011	8707	(472280, 3763983)	Rep_Chr_Res_DerOEH_Rec8707_AllSrc_AllCh_ByRec_ByChem_Site_UTM.txt Rep_Chr_Res_DerOEH_Rec8707_AllSrc_AllCh_BySrc_Site.txt
	MEIW	0.011	8707	(472280, 3763983)	Rep_PMI_All_worker.txt Rep_Chr_Wrk_PtEst_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt

**TABLE 3.6B-1
Detailed File References to PMI, MEIR, and MEIW of the Risks – Turbines and Cooling Towers**

	Category	Risk Value	Receptor Number	UTM (NAD 27)	HARP Modeling File Name
HIA	PMI	0.081	2016	(468530, 3765453)	Rep_PMI_All_resident.txt Rep_Acu_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt Rep_Acu_Rec2016_AllSrc_AllCh_BySrc_Site.txt
	MEIR	0.081	2016	(468530, 3765453)	Rep_Acu_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt Rep_Acu_Rec2016_AllSrc_AllCh_BySrc_Site.txt
	MEIW	0.081	2016	(468530, 3765453)	Rep_Acu_AllRec_AllSrc_AllCh_ByRec_Site_UTM.txt Rep_Acu_Rec2016_AllSrc_AllCh_BySrc_Site.txt

* Note: All receptor numbers and modeling file names refer to the refined HRA modeling files, except the two cancer risks using Derived (OEHHA) Method.

TABLE 3.6B-2
AES Highgrove - HHRA Results Summary

Source	Cancer Risks			Non-Cancer Risks			
	@ PMI and MEIR	MEIW	PMI Location (UTM)	HIC (@ PMI, and MEIR, and MEIW)	Location (UTM)	HIA (@ PMI, MEIR, MEIW)	PMI Location (UTM)
All	0.626 in a million	0.130 in a million	(469461, 3764529)	1.12E-02	(472280, 3763983)	8.13E-02	(468530, 3765453)
Turbine1	0.0531 in a million	0.0103 in a million	(472250, 3764013)	3.79E-03	(472250, 3764013)	2.80E-02	(468530, 3765453)
Turbine2	0.0526 in a million	0.0102 in a million	(472250, 3764013)	3.75E-03	(472250, 3764013)	2.71E-02	(468530, 3765453)
Turbine3	0.0518 in a million	0.0101 in a million	(472250, 3763983)	3.70E-03	(472250, 3763983)	2.62E-02	(468530, 3765453)
Cooling Tower 1	0.174 in a million	0.0363 in a million	(469491, 3764608)	1.35E-04	(469491, 3764608)	2.07E-04	(469323, 3764594)
Cooling Tower 2	0.235 in a million	0.0490 in a million	(469461, 3764554)	1.82E-04	(469461, 3764554)	3.14E-04	(469338, 3764562)
Cooling Tower 3	0.476 in a million	0.0993 in a million	(469461, 3764529)	3.69E-04	(469461, 3764529)	3.75E-04	(469461, 3764529)

Note

1. PMI and MEIR of Cancer risks were calculated using the OEHHA Adjusted Method.
2. It was assumed that each modeling grid receptor could be either a residential or worker receptor. Therefore, the location of the MEIR and MEIW was conservatively assumed to be the same as the PMI.